

ABSTRACT

5 The invention is a device for anastomosis of a vein graft to an aorta, wherein the device
is used for creating a circular hole in the aorta wall, occluding the hole to prevent blood loss and
providing a guide for insertion or placement of the vein into the hole in the aorta wall. The device
has an elongated main body housing a punch mechanism, the punch mechanism having a disk-
shaped punch head and a tubular cutting sleeve, which in conjunction act to remove a circular plug
from the aorta wall, wherein the punch head is retractable relative to the cutting sleeve, with the
cutting sleeve remaining in the aorta wall to prevent blood loss, and a lateral shaft having an
internal bore communicating with the main bore of the cutting sleeve, whereby a vein graft can
be introduced into the main bore and through the aorta wall.